Monte Carlo mini-App — It's a wrap…

Next Steps

There is lots left to do. Some of the plans for the coming year include:

- Definition of simple (non-physical) materials and cross sections
  - For distribution with the mini-App
  - For use with MCNP6 for comparisons
- Extension of the Exa Python framework to additional parallelism paradigms and operations, as needed
- Source and image plane methods for imaging applications (radiography, etc.)
- Iterative sources for applications such as criticality safety
- And lots more…

If you are interested in getting involved or in trying out these MC mini-App concepts, please get in touch.

References:

[1] MCNP website: http://mcnp.lanl.gov

[2] L.J. Cox, R. Marcus, *Developing a Monte Carlo mini-App for Exascale Co-Design*, LA-UR-2011-06086

[3] R. Marcus, L.J. Cox, *Python Framework for Co-Design Applications in Exascale R&D*, LA-UR-2011-06085

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